

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
27 January 2005 (27.01.2005)

PCT

(10) International Publication Number
WO 2005/007705 A1

(51) International Patent Classification⁷:
1/08, C08F 6/20, 6/18, 136/18, 236/18

C08C 1/10,

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:

PCT/SG2003/000173

(22) International Filing Date: 21 July 2003 (21.07.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(71) Applicants (*for all designated States except US*): **B.C. SEKHAR SDN BHD** [MY/MY]; Suite 101, 1st floor, Kwang Tung Association Building, No.44 Jalan Pudu, 55100 Kuala Lumpur (MY). **NAIR, Sushil, Sukumaran** [SG/SG]; 205 Tagore Avenue, Singapore 787774 (SG).

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): **SEKHAR, Balachandra, Chakkingal** [MY/MY]; No.2 Lorong 16/3C Section 16, 46350 Petaling Jaya, Selangor (MY).

Published:

— with international search report

(74) Agent: **TAN JINHWEE, EUNICE & LIM CHOOENG**; P.O. Box 1381, Robinson Road, Singapore 902731 (SG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: IMPROVEMENTS TO CENTRIFUGATION OF SYNTHETIC RUBBER LATEX

(57) Abstract: The present invention provides for a method of concentrating synthetic rubber latices, in particular all emulsion polymerised diene rubbers latices such as styrenebutadiene rubber (SBR) latex, neoprene latex, etc. The technique generally entails, firstly, adding creaming agents, such as tamarind seed powder or alginate (including ammonium alginate) to the synthetic rubber latex so that clustering of the latex particles may be achieved. The clustered latex particles are thus larger and is thus able to be centrifuged in the usual manner using conventional centrifuges or techniques to separate the concentrate from the skim.

WO 2005/007705 A1